

Contents of Volume 142

(Abstracted/indexed in: Chemical Abstracts; Current Contents; Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS)

Vol. 142 No. 1

<i>Location of a laminin peptide fragment in phospholipid mono and bilayers</i> A. Juvé, L. Rodriguez, I. Haro, M.A. Alsina and F. Reig (Barcelona, Spain)	1
Study of the stability of bitumen emulsions by application of DLVO theory M. Salou, B. Siffert and A. Jada (Mulhouse, France)	9
Effects of Li ₂ O doping on surface and catalytic properties of CuO–ZnO/Al ₂ O ₃ system G.A. El-Shobaky, G.A. Fagal (Cairo, Egypt), A.M. Ghosza (Zagazig, Egypt) and M. Mokhtar (Cairo, Egypt)	17
Cholic acid behavior in water and organic solvent: study of normal and inverted aggregates A. Navaz Díaz, F. García Sánchez and A. García Pareja (Málaga, Spain)	27
Nanoparticles of ternary semiconductors in colloids. Low-temperature formation and quantum size effects V.S. Gurin (Minsk, Belarus)	35
Kinetics of hydrolysis of ethyl glycinate hydrochloride: effect of cetyl trimethyl ammonium bromide H.S. Rama and D.P. Kumar (Baroda, India)	41
Adsorption model of ethyl ester of fluorescein on colloidal TiO ₂ and the mechanism of the interfacial electron transfer J. He, F. Chen, J. Zhao (Beijing, People's Republic of China) and H. Hidaka (Tokyo, Japan)	49
Preparation of monosize silica spheres and their crystalline stack S.-L. Chen (Dongying Shandong, People's Republic of China)	59
Effect of caustic and carbonate on the flocculation of haematite in synthetic Bayer liquors F. Jones (Perth, Australia), J.B. Farrow (Bentley, Australia) and W. van Bronswijk (Perth, Australia)	65
Flow properties of microcrystalline cellulose suspension prepared by acid treatment of native cellulose J. Araki, M. Wada, S. Kuga and T. Okano (Tokyo, Japan)	75
Role of reconfiguration of hairs in anomalous deposition of zwitterionic latex particles P. Somasundaran, S. Shrotri (New York, NY, USA) and K.P. Ananthapadmanabhan (Edge Water, NJ, USA) ...	83
Fabrication of europium complex nanoparticles at charged monolayers and Eu complex subphase interface and their optical properties D.-J. Qian, H.-G. Liu, J. Ma, K.-Z. Yang (Jinan, People's Republic of China), H. Nakahara and K. Fukuda (Urawa, Japan)	91
Mixture diffusion of sulfonated dyes into cellulose membrane. II. Effects of addition of a dye with lower affinity on parallel diffusion of a dye with high aggregation property M. Maekawa and S. Ozeki (Nara, Japan)	99
Surface composition of calcium hydroxyapatite modified with metal ions M. Wakamura, K. Kandori and T. Ishikawa (Osaka, Japan)	107
Adsorption of polyvinylpyrrolidone on titanium dioxide from binary solvents (methanol/water) and its effect on dispersion stability T. Sato (Ibaraki, Japan), A. Sato and T. Arai (Chiba, Japan)	117

Vol. 142 Nos. 2,3

(Special Issue: A Collection of Papers in Memorium to H. Sonntag)

In memorium to Professor Hans Sonntag	121
Concentrated emulsions stabilized by macromolecules and the contributions of Hans Sonntag to this scientific field V.N. Izmailova and G.P. Yampolskaya (Moscow, Russia)	125

Thermodynamics of plane-parallel liquid films V.G. Babak (Moscow, Russia)	135
Determination of the distance of nearest approach of coagulated particles in haematite and latex dispersions H. Lichtenfeld (Berlin, Germany), V. Shilov (Kiev, Ukraine) and L. Knapschinsky (Berlin, Germany)	155
Streaming potentials and conductivities of porous silica plugs M. Minor, A.J. van der Linde, H.P. van Leeuwen and J. Lyklerna (Wageningen, The Netherlands)	165
Microscratching in electrochemical cells: the effect of gallium on surface deformation in aluminum E.D. Shchukin, I.V. Vidensky (Moscow, Russia/Baltimore, MD, USA) and V.I. Savenko (Moscow, Russia)	175
Drop size dependence of contact angles for liquid tin on silica surface: line tension and its correlation with solid-liquid interfacial tension A. Amirfazli (Toronto, ON, Canada), D. Chatain (Marseille, France) and A.W. Neumann (Toronto, ON, Canada)	183
Video-microscopic investigation of the coupling of reversible flocculation and coalescence Ø. Sæther, J. Sjöblom (Bergen, Norway), S.V. Verbich, N.A. Mishchuk and S.S. Dukhin (Kiev, Ukraine)	189
Growth of rod-like micelles in anionic surfactant solutions in the presence of Ca^{2+} counterions R.G. Alargova, V.P. Ivanova, P.A. Kralchevsky (Sofia, Bulgaria), A. Mehreteab (Piscataway, NJ, USA) and G. Broze (Milmort, Belgium)	201
Measuring and interpreting contact angles: a complex issue D.Y. Kwok, C.N.C. Lam, A. Li, A. Leung, R. Wu, E. Mok and A.W. Neumann (Ontario, Canada)	219
Hydrodynamic effects in measurements with the drop volume technique at small drop times—3. Surface tensions of viscous liquids R. Miller, M. Bree (Rudower Chaussee, Germany) and V.B. Fainerman (Donetsk, Ukraine)	237
A model for a liquid drop spreading on a solid surface Y. Gu and D. Li (Alberta, Canada)	243
Dewetting kinetics between a gas bubble and a flat solid surface and the effect of three-phase solid-gas-liquid contact line tension H. Stechemesser (Freiberg, Germany) and A.V. Nguyen (Sydney, Australia)	257
Structural and electrochemical parameters of asymmetric membranes for reverse osmosis L. Ermakova, M. Sidorova, I. Savina and D. Aleksandrov (St Petersburg-Petergoph, Russian Federation)	265
Observations of the stability of wetting films on polymerized LB-layers of tricoso-2,4-diynoic acid J. Mahnke, P. Müller, H.J. Schulze, K.W. Stöckelhuber and E. Weber (Freiburg/Saxony, Germany)	275
Silica encapsulation of liquid PDMS droplets M.I. Goller and B. Vincent (Bristol, UK)	281
Dynamics of surface waves in wetting films R. Tsekov, H.J. Schulze (Freiburg, Germany), B. Radoev (Sofia, Bulgaria) and P. Letocart (Freiburg, Germany)	287
Interfacial behavior of proteins in three-phase partitioning using salt-containing water/ <i>tert</i> -butanol systems E. Kiss, J. Szamos, B. Tamás and R. Borbás (Budapest, Hungary)	295
Surface and volume charge densities of monodisperse porous silicas A. de Keizer, E.M. van der Ent and L.K. Koopal (Wageningen, The Netherlands)	303
Effect of the molecular structure on the adsorption of alkyl ether sulphates and alkane ether sulphonates at the air-water interface D. Vollhardt, G. Czichocki and R. Rudert (Berlin, Germany)	315
Brewster angle microscopy and capillary wave spectroscopy as a means of studying polymer films at liquid/liquid interfaces S. Uredat and G.H. Findenegg (Berlin, Germany)	323
Influence of co-surfactants on microemulsions with alkyl polyglycosides W. von Rybinski, B. Guckenbiehl and H. Tesmann (Düsseldorf, Germany)	333
Forces between polymer-covered surfaces: a colloidal probe study M. Giesbers, J.M. Kleijn, G.J. Fleer and M.A. Cohen Stuart (Wageningen, The Netherlands)	343
A study of mixed phospholipid/ β -casein monolayers at the water J.B. Li (Beijing, China/Berlin-Adlershof, Germany), J. Krägel (Berlin-Adlershof, Germany), A.V. Makievski (Berlin-Adlershof, Germany/Donetsk, Ukraine), V.B. Fainermann (Donetsk, Ukraine), R. Miller (Beijing, China/Berlin-Adlershof, Germany) and H. Möhwald (Berlin-Adlershof, Germany)	355

A new mechanism for pool boiling crisis, recoil instability and contact angle influence K. Sefiane, D. Benielli and A. Steinchen (Marseille, France)	361
Equations for the non-reversible hydrodynamics of the boundary layer in an electrolyte solution V.N. Shilov (Kiev, Ukraine)	375
Video microscopy: investigations of the structure and dynamics of colloidal dispersions J. Bongers, H. Manteufel, K. Vondermaßen and H. Versmold (Aachen, Germany)	381
<i>Author Index</i>	387
<i>Subject Index</i>	389
<i>Volume contents</i>	391

